





Date: February 2, 1999

Page 1



## ASSISTANT COMMISSIONER FOR PATENTS

WASHINGTON, D.C. 20231

ATTENTION: APPLICATION BRANCH

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Ronald M. Hickling

For: DIRECT CONVERSION DELTA-SIGMA RECEIVER

Enclosed are:

(X) Six (6) sheet(s) of informal drawing.

(X) Return prepaid postcard.

CLAIMS AS FILED				
FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE
Basic Fee			\$380	\$380
Total Claims	19 - 20 =	-0- ×	\$9	\$-0-
Independent Claims	4 - 3 =	1 ×	\$39	\$39
If application contains any multiple dependent claims(s), then add			\$130	\$-0-

FILING FEE TO BE PAID AT A LATER DATE

\$419

Katherine W. White Registration No. 37,470 Attorney of Record

S:\DOCS\KWW\KWW-2017.DOC 020299

## INTELLECTUAL PROPERTY LAW

## KNOBBE, MARTENS, OLSON & BEAR

A LIMITED LIABILITY PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

PATENT, TRADEMARK AND COPYRIGHT CAUSES

620 NEWPORT CENTER DRIVE

SIXTEENTH FLOOR

NEWPORT BEACH, CALIFORNIA 92660-8016

(949) 760-0404

FAX (949) 760-9502

INTERNET: WWW.KMOB.COM

DALE C. HUNT
LEE W. HENDERSON
DEBORAH S. SHEPHERD
RICHARD E. CAMPBELL
MARK M. ABUMERI
JON W. GURKA
KATHERINE W. WHITE
JOSEPH J. BASISTA
ERIC M. NELSON
ALEXANDER C. CHEN
MARK R. BENEDICT
PAUL N. CONOVER
JOHN P. MUSONE
ROBERT J. ROBY
SABING H. LEE
KAROLINE A. DELANEY
JOHN W. HOLCOMB
JAMES J. MULLEN, III
JOSEPH M. REISMAN
WILLIAM R. ZIMMERMAN
GLEN L. NUTTALL
ERIC S. FURMAN
DO TE KIM
TIDZAM ARE LOWE DO TE KIM
TIRZAH ABE LOWE
GEOFFREY Y. IIDA
ALEXANDER S. FRANCO

OF COUNSEL JERRY R. SEILER

JAPANESE PATENT ATTY

EUROPEAN PATENT ATTY

KOREAN PATENT ATTY MINCHEOL KIM

(NON-LAWYERS)

RAIMOND J. SALENIEKS"

MICHAEL L. FULLER"

NEIL S. BARTFELD"

DANIEL E. JOHNSON"

JEFFERY KOEPKE

KHURRAM RAHMAN

JENNIFER A. HAYNES

BRENDAN P. O NEILL

MARRINA O. MEI

THOMAS Y. NAGATA MARKINA D. MEI THOMAS Y. NAGATA JOHN M. GROVER\*\* ALAN C. GORDON PETER M. MIDGLEY IRFAN A. LATEEF AMY C. CHRISTENSEN SHEILA N. SWAROOP

LOUIS J. KNOBBE\*
DON W. MARTENS\*
GORDON H. OLSON\*
JAMES B. BEAR
DARRELL L. OLSON\*
WILLIAM B. BUNKER
WILLIAM H. NIEMAN
LOWELL ANDERSON
ARTHUR S. ROSE\*
JAMES F. LESNIAK
NED A. ISRAELSEN
DREW S. HAMILTON
JERRY T. SEWELL
JOHN B. SGANGA, JR.
EDWARD A. SCHLATTER
GERARD VON HOFFMANN
JOSEPH R. RE GERARD VON HOFFMANN
JOSEPH R. RE
CATHERINE J. HOLLAND
JOHN M. CARSON
KAREN VOGEL WEIL\*
ANDREW H. SIMPSON
JEFFREY L. VAN HOOSEAR
DANIEL E. ALTMAN
ERNEST A. BEUTLER
MARGUERITE L. GUNN
STEPHEN C. JENSEN
VITO A. CANUSO III
WILLIAM H. SHREVE
LYNDA J. ZADRA-SYMES\*\*

Ň

Ē W

שי 3 STEVEN J. NATAUPSKY
PAUL A. STEWART
JOSEPH F. JENNINGS
CRAIG S. SUMMERS
ANNEMARIE KAISER
BBENTON R. BABCOCK¹
THOMAS F. SMEGAL, JR.
MICHAEL H. TRENHOLM
DIANE M. REED
JONATHAN A. BARNEY
RONALD J. SCHOENBAUM
JOHN R. KING
FREDERICK S. BERRETTA
NANCY WAYS VENSKO
JOHN P. GIEZENTANNER
ADEEL S. AKHTAR
RICHARD C. GILMORE
THOMAS R. ARNO
DAVID N. WEISS
DANIEL HART
JAMES T. HAGLER
DOUGLAS G. MUEHLHAUSER
LORI L. YAMATO
STEPHEN M. LOBBIN
ANN A. BYUN
ROBERT F. GAZDZINSKI
FRED C. HERNANDEZ
STACEY R. HALPERN¹
MICHAEL K. FRIEDLAND

**Assistant Commissioner for Patents** Washington, D.C. 20231

## CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Attorney Docket No. :

TECHCON.001A

Applicant(s)

R.M. Hickling :

For

**DIRECT CONVERSION DELTA-SIGMA** 

RECEIVER

Attorney

Katherine W. White

"Express Mail"

Mailing Label No.

EL 198 009 525 US

**Date of Deposit** 

February 2, 1999

I hereby certify that the accompanying

Transmittal in Duplicate; Specification in 28 pages; 6 sheets of informal drawings; Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the

Assistant Commissioner for Patents, Washington, D.C. 20231.

S:\DOCS\KWW\KWW-2019.DOC 020299

John J. Riedel